

2011-04-25 Monday Morning Notes

Monday, April 25, 2011
6:00 AM

Stacking and Transfers

Operational Happenings

- Around 1pm on Sunday, we started having periodic rapid emittance spikes that would result in the loss of antiproton beam.
- Pbar 95 LCW return temp higher than it has been in 2 years?

Numbers

- Stacking
 - Pbars stacked: 1086.78 E10
 - Time stacking: 52.12 Hr
 - Average stacking rate: 20.85 E10/Hr
- Uptime
 - Number of pulses while in stacking mode: 78854
 - Number of pulses with beam: 72367
 - Fraction of up pulses was: 91.77%
- The uptime's effect on the stacking numbers
 - Corrected time stacking: 47.83 Hr
 - Possible average stacking rate: 22.72 E10/Hr
 - Could have stacked: 1184.20 E10/Hr
- Recycler Transfers
 - Pbars sent to the Recycler: 1051.59 E10
 - Number of transfers : 132
 - Number of transfer sets: 49
 - Average Number of transfer per set: 2.69
 - Time taken to shoot including reverse proton tuneup: 00.46 Hr
 - Transfer efficiency: 91.32%
- Other Info
 - Average POT : 7.79 E12
 - Average production: 19.28 pbars/E6 protons

Plots







